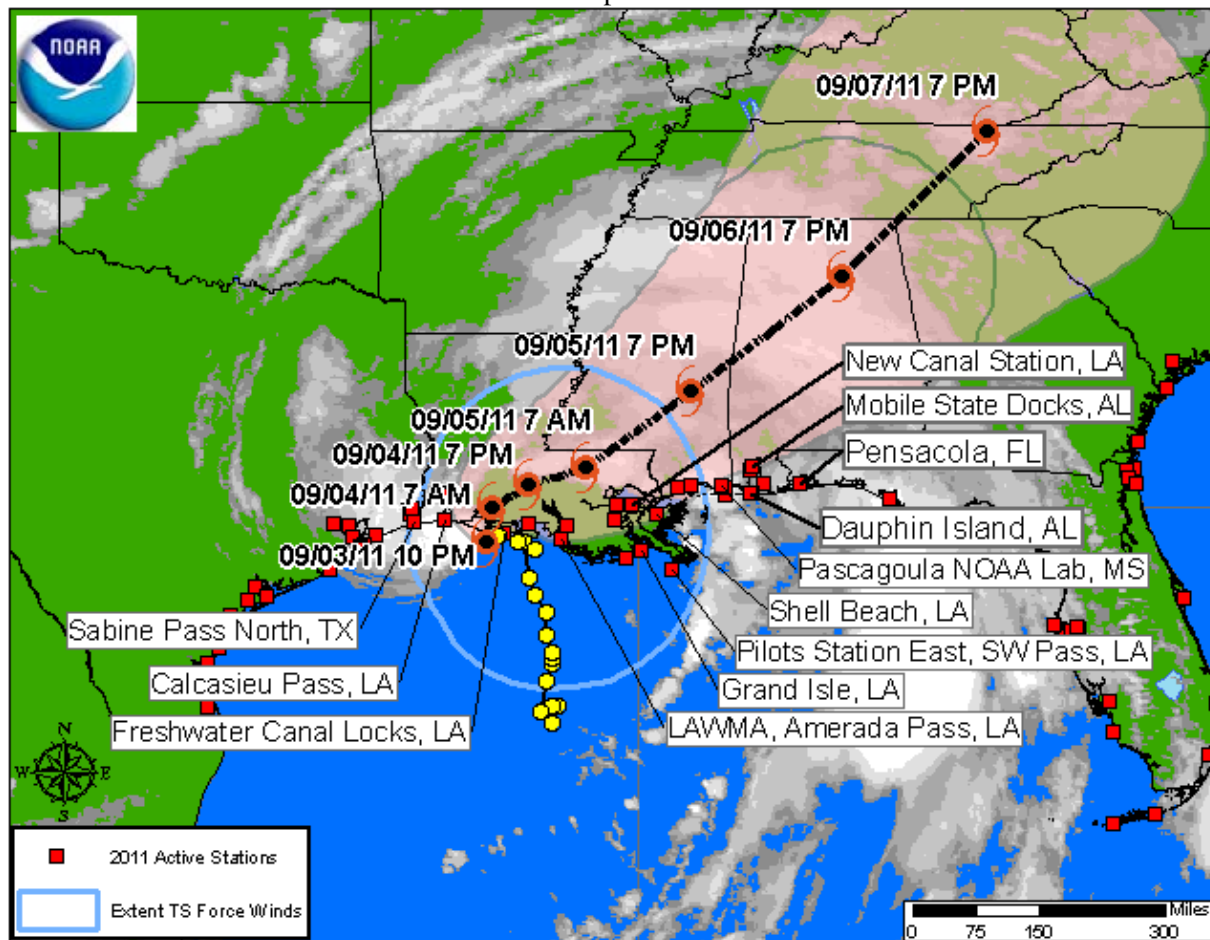




Tropical Storm LEE QuickLook
Posted: 23:00 CDT 09/03/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

LEE STILL MEANDERING NEAR THE COAST OF SOUTHERN LOUISIANA

As of 09/03/2011 23:00 CDT, water levels along the northern Gulf of Mexico coastline from the western Florida panhandle to eastern Texas are rising. Levels along the Louisiana coast from LAWMA, Amerada Pass to Shell Beach generally range between 1.1 and 3.8 feet above predictions. Water levels within Lake Pontchartrain are rising as well, partially due to runoff from excessive rainfall. New Canal Station, LA, located within Lake Pontchartrain, continues to measure the highest residual 3.8 feet. However, Shell Beach, LA is also measuring residuals near 3.8 feet. Water level stations to the East of LEE, along the southwestern Louisiana and southeastern Texas coastlines, range between 1.2 and 0.3 feet below predictions.

Winds from southeastern Louisiana to Alabama are rising and range between 20 and 35 kts with gusts up to 50 kts being observed at several locations in the region.

Tropical Storm LEE QuickLook, POSTED 23:00 CDT 09/03/2011

Barometric pressure continues to fall across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.38 m) at 09/03/2011 23:22 CDT and 1.3 ft (0.41 m) at 09/05/2011 01:12 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT and 1.5 ft (0.48 m) at 09/05/2011 04:15 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/04/2011 01:31 CDT and 1.6 ft (0.51 m) at 09/05/2011 02:43 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.48 m) at 09/04/2011 06:56 CDT and 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT and 0.5 ft (0.14 m) at 09/05/2011 14:51 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.50 m) at 09/04/2011 02:30 CDT and 1.7 ft (0.52 m) at 09/05/2011 03:41 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/04/2011 03:37 CDT and 1.7 ft (0.53 m) at 09/05/2011 04:47 CDT.

Pensacola, FL: Next predicted high tides are 1.8 ft (0.55 m) at 09/04/2011 03:52 CDT and 1.8 ft (0.57 m) at 09/05/2011 05:08 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.61 m) at 09/04/2011 05:01 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:15 CDT and 2.1 ft (0.66 m) at 09/04/2011 23:17 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:45 CDT and 1.9 ft (0.59 m) at 09/04/2011 06:28 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.55 m) at 09/03/2011 23:05 CDT and 1.7 ft (0.52 m) at 09/04/2011 06:55 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 10
1000 PM CDT SAT SEP 03 2011

...LEE STILL MEANDERING NEAR THE COAST OF SOUTHERN LOUISIANA...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

NONE

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* DESTIN FLORIDA WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED BY RADAR AND SURFACE OBSERVATIONS JUST OFF THE SOUTHERN COAST OF LOUISIANA ABOUT 85 MI WSW OF MORGAN CITY LOUISIANA OR ABOUT 65 MI SSW OF LAFAYETTE LOUISIANA. LEE HAS BEEN DRIFTING TOWARD THE WEST DURING THE PAST FEW HOURS...HOWEVER A SLOW NORTHWARD MOTION IS EXPECTED TO BEGIN OVERNIGHT OR EARLY SUNDAY. A SLOW NORTHEASTWARD MOTION IS EXPECTED BY SUNDAY NIGHT. ON THE FORECAST TRACK...THE CENTER OF LEE IS EXPECTED TO MOVE ONSHORE THE LOUISIANA COAST OVERNIGHT...THEN MOVE SLOWLY ACROSS SOUTHERN LOUISIANA SUNDAY AND SUNDAY NIGHT.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 50 MPH WITH HIGHER GUSTS. GRADUAL WEAKENING IS FORECAST DURING THE NEXT COUPLE OF DAYS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 260 MILES FROM THE CENTER...MAINLY OVER WATER.

REPORTS FROM OFFSHORE OIL RIGS INDICATE THAT THE MINIMUM CENTRAL PRESSURE IS 988 MB.

HAZARDS AFFECTING LAND

RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES FROM THE CENTRAL GULF COAST NORTHWARD INTO THE TENNESSEE VALLEY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES THROUGH MONDAY. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING AND FLASH FLOODING.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE LOUISIANA COAST...AND BY AS MUCH AS 1 TO 3 FEET ABOVE GROUND LEVEL ALONG THE MISSISSIPPI AND ALABAMA COASTS INCLUDING MOBILE BAY.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WARNING AREA TONIGHT AND SUNDAY...AND POSSIBLY INTO MONDAY.

TORNADOES...A FEW TORNADOES WILL BE POSSIBLE THROUGH TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE FAR WESTERN FLORIDA PANHANDLE.

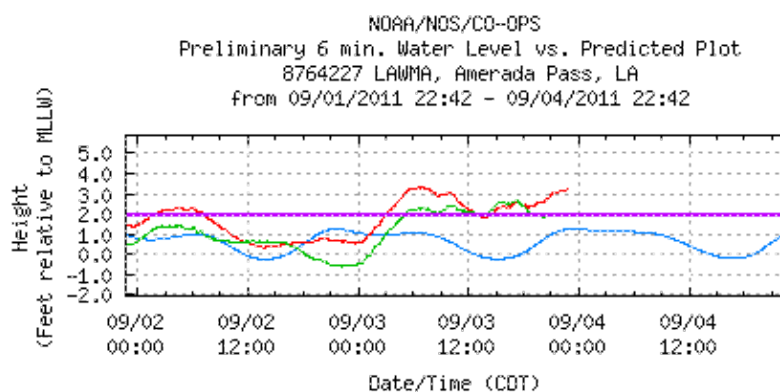
SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

FORECASTER BROWN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Pensacola - Water Level](#), [Pensacola - Barometric](#), [Mobile State Docks - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#),

LAWMA, Amerada Pass, LA - Return to List



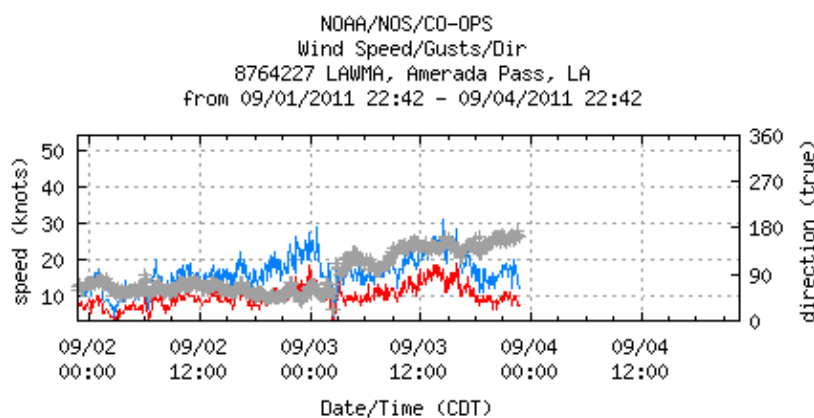
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:42 (CDT)

Relative to MLLW: **Observed: 3.22 ft.** **Predicted: 1.23 ft.** **Residual: 1.99 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

LAWMA, Amerada Pass, LA - Return to List

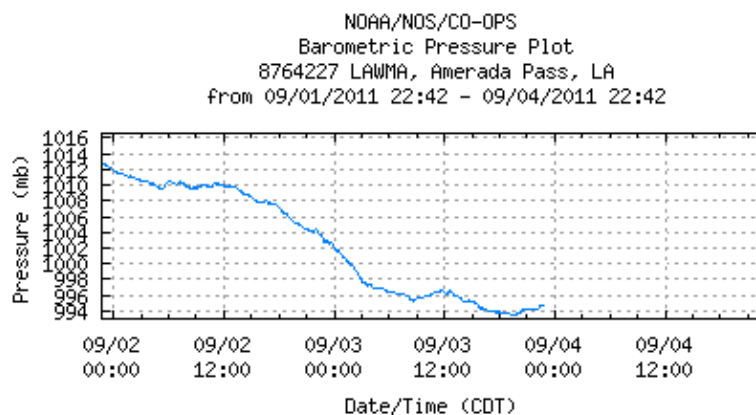


speed — gusts — direction +

Last Observed Sample: 09/03/2011 22:42 (CDT)

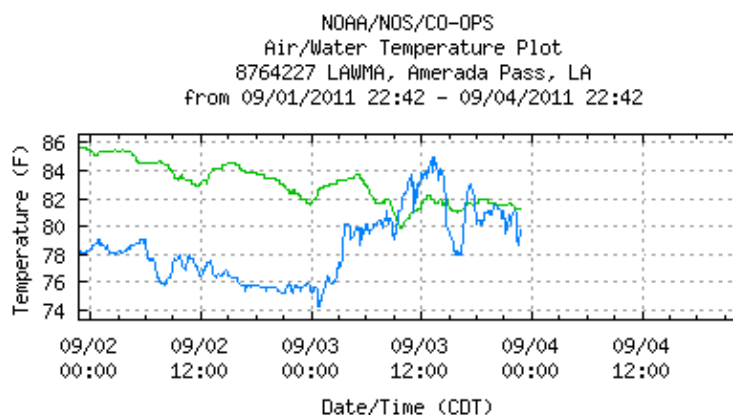
Wind Speed: 7 knots **Gusts: 12 knots** **Direction: 163° T**

LAWMA, Amerada Pass, LA - Return to List



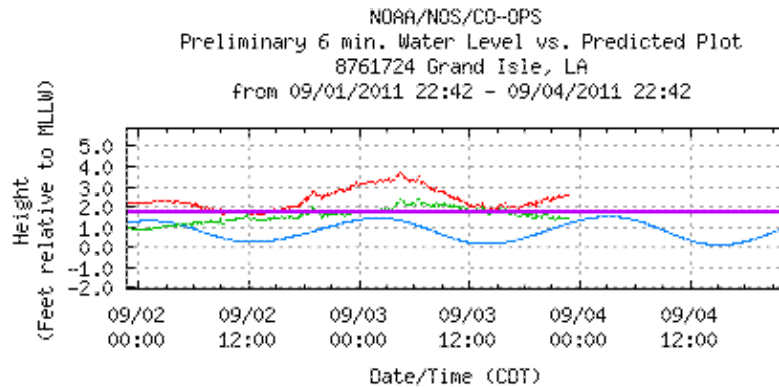
Last Observed Sample: 09/03/2011 22:42 (CDT)
Barometric Pressure: 994.6 mb

LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 22:42 (CDT)
Water Temperature: 81.3° F Air Temperature: 79.7° F

Grand Isle, LA - Return to List

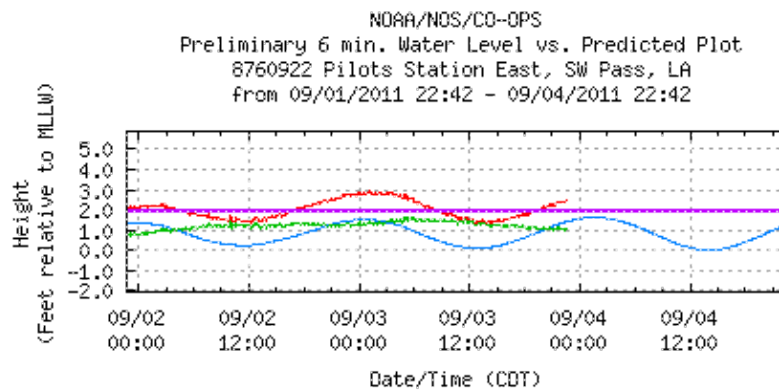


Last Observed Sample: 09/03/2011 22:42 (CDT)

Relative to MLLW: **Observed: 2.57 ft.** **Predicted: 1.17 ft.** **Residual: 1.40 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

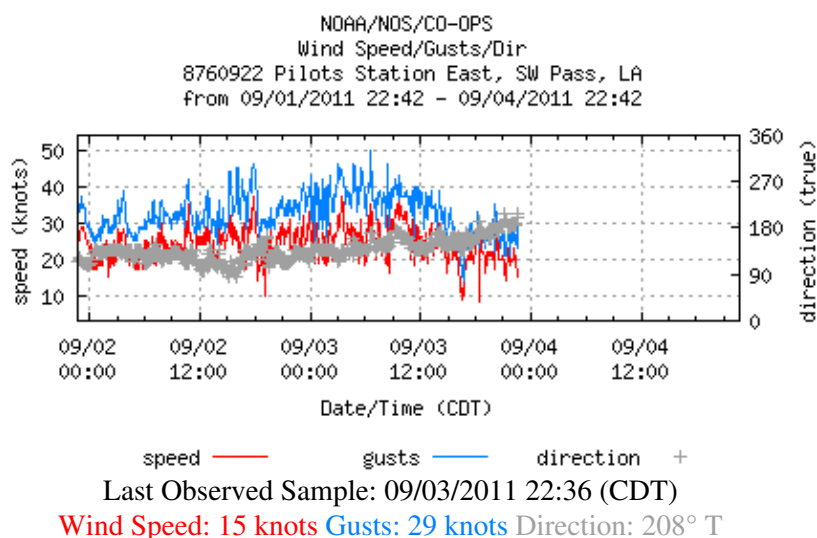


Last Observed Sample: 09/03/2011 22:36 (CDT)

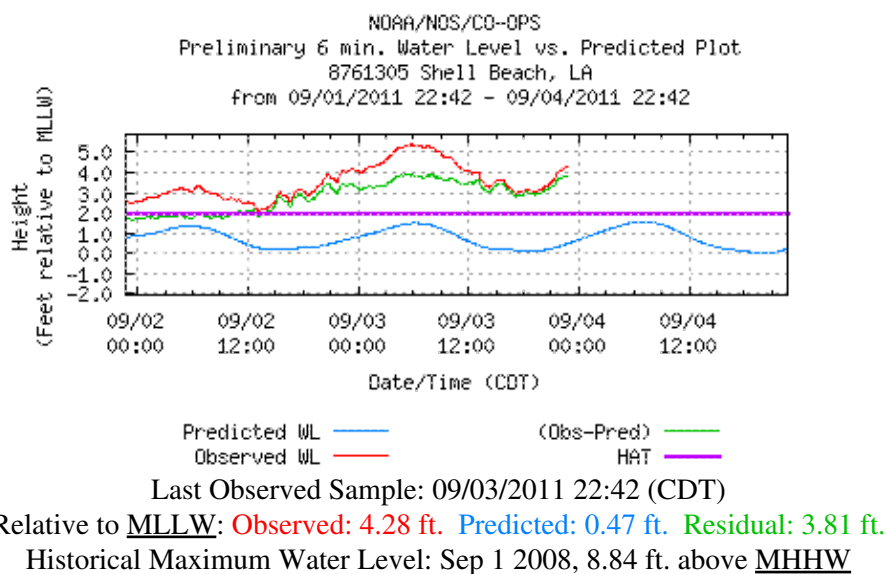
Relative to MLLW: **Observed: 2.50 ft.** **Predicted: 1.43 ft.** **Residual: 1.07 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

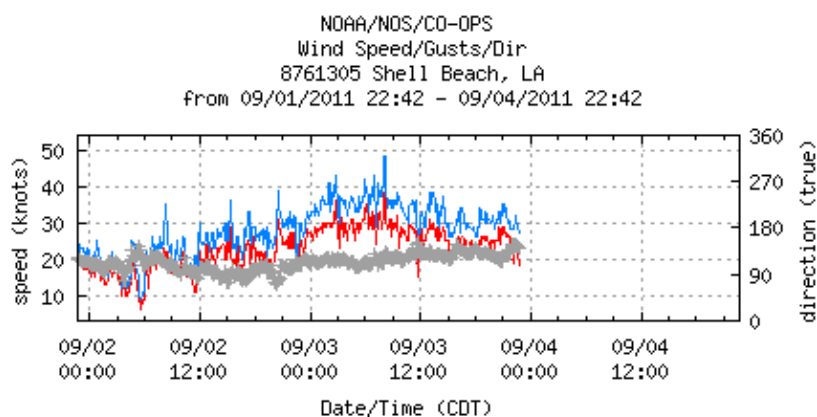
Pilots Station East, SW Pass, LA - Return to List



Shell Beach, LA - Return to List

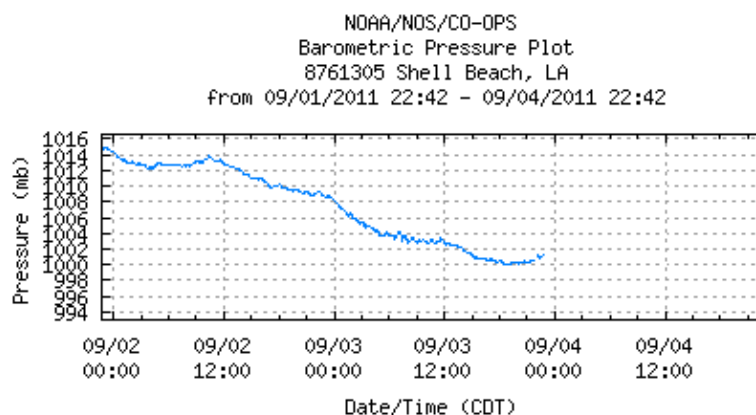


Shell Beach, LA - Return to List



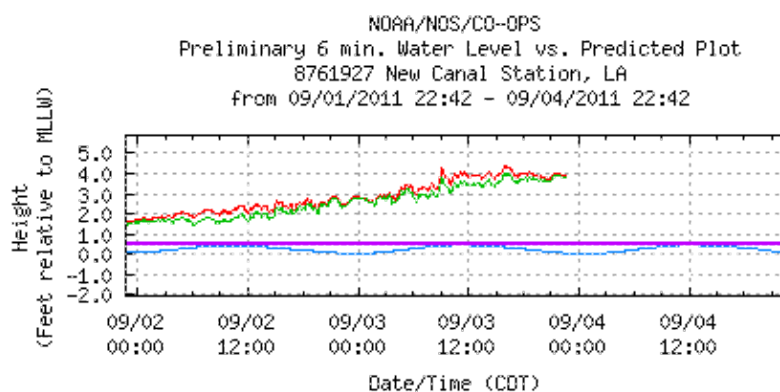
speed — gusts — direction +
Last Observed Sample: 09/03/2011 22:42 (CDT)
Wind Speed: 18 knots Gusts: 27 knots Direction: 140° T

Shell Beach, LA - Return to List



barometric pressure —
Last Observed Sample: 09/03/2011 22:42 (CDT)
Barometric Pressure: 1001.2 mb

New Canal Station, LA - Return to List



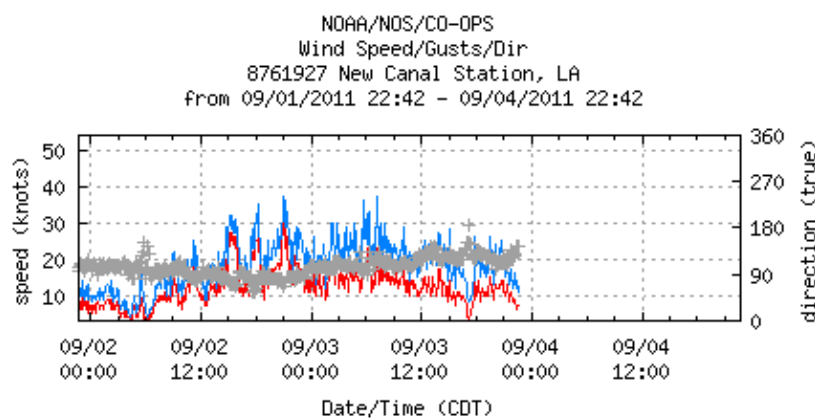
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:30 (CDT)

Relative to MLLW: **Observed: 3.90 ft.** **Predicted: 0.06 ft.** **Residual: 3.84 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

New Canal Station, LA - Return to List

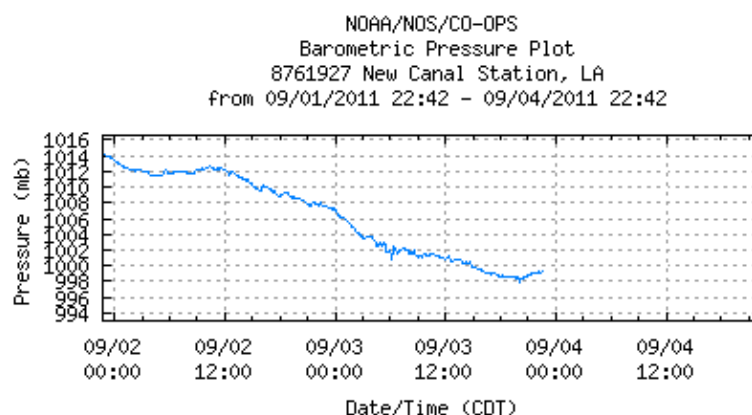


speed — gusts — direction +

Last Observed Sample: 09/03/2011 22:30 (CDT)

Wind Speed: 7 knots **Gusts: 11 knots** **Direction: 146° T**

New Canal Station, LA - Return to List

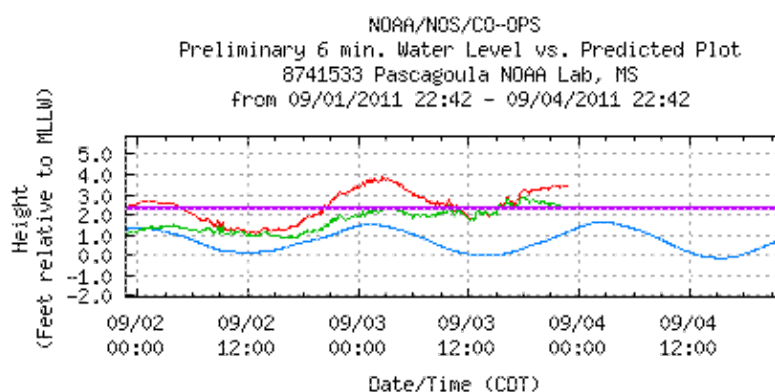


barometric pressure —

Last Observed Sample: 09/03/2011 22:30 (CDT)

Barometric Pressure: 999.4 mb

Pascagoula NOAA Lab, MS - Return to List



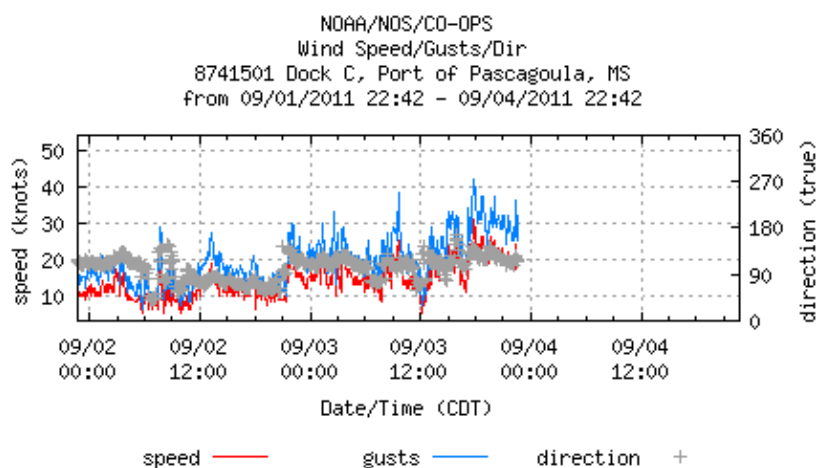
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:42 (CDT)

Relative to MLLW: **Observed: 3.42 ft.** **Predicted: 1.14 ft.** **Residual: 2.28 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

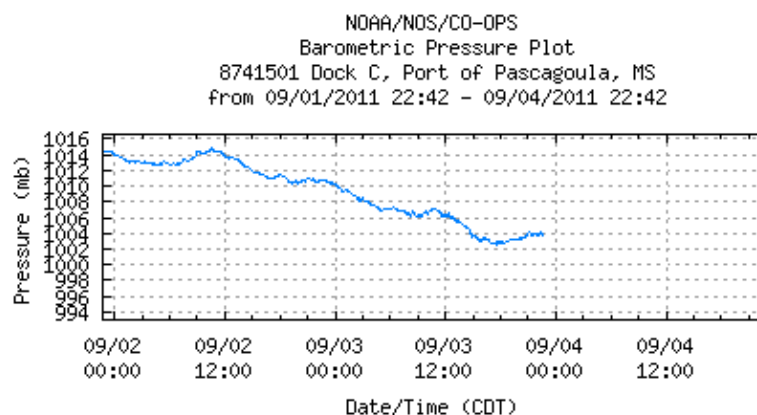
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/03/2011 22:36 (CDT)

Wind Speed: 18 knots Gusts: 25 knots Direction: 114° T

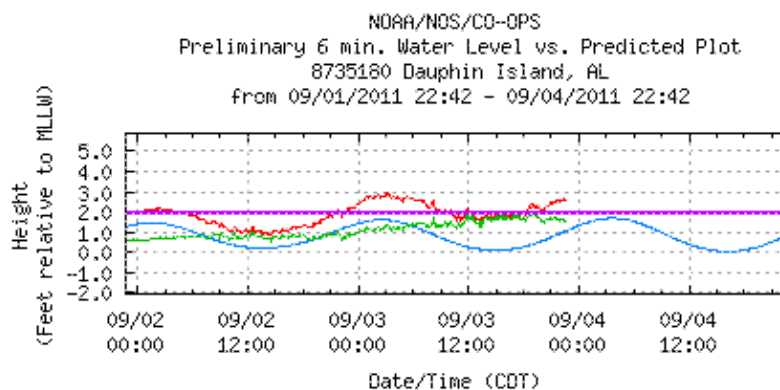
Dock C, Port of Pascagoula, MS - [Return to List](#)



Last Observed Sample: 09/03/2011 22:36 (CDT)

Barometric Pressure: 1003.8 mb

Dauphin Island, AL - Return to List



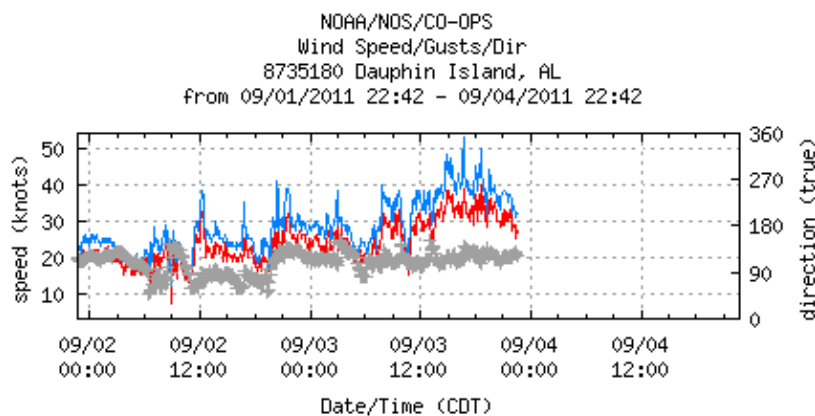
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:30 (CDT)

Relative to MLLW: **Observed: 2.60 ft.** **Predicted: 1.04 ft.** **Residual: 1.56 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

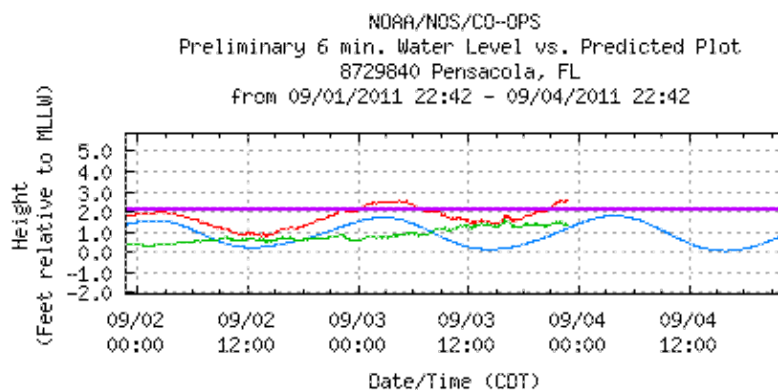


speed — gusts — direction +

Last Observed Sample: 09/03/2011 22:30 (CDT)

Wind Speed: 27 knots **Gusts: 32 knots** **Direction: 122° T**

Pensacola, FL - Return to List

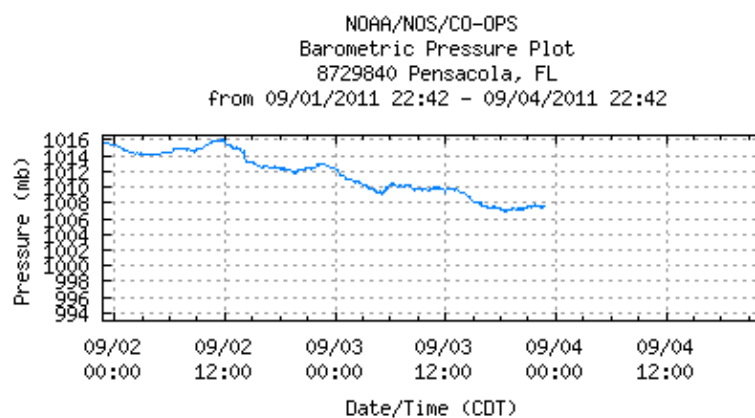


Last Observed Sample: 09/03/2011 22:42 (CDT)

Relative to MLLW: **Observed: 2.54 ft.** **Predicted: 1.18 ft.** **Residual: 1.36 ft.**

Historical Maximum Water Level: Sep 18 1926, 7.41 ft. above MHHW

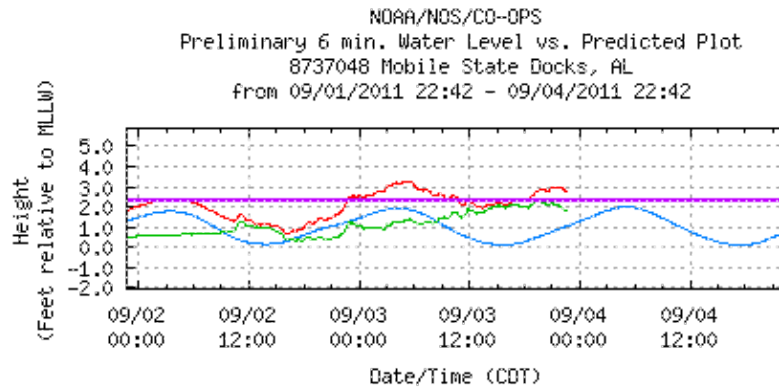
Pensacola, FL - Return to List



Last Observed Sample: 09/03/2011 22:42 (CDT)

Barometric Pressure: 1007.5 mb

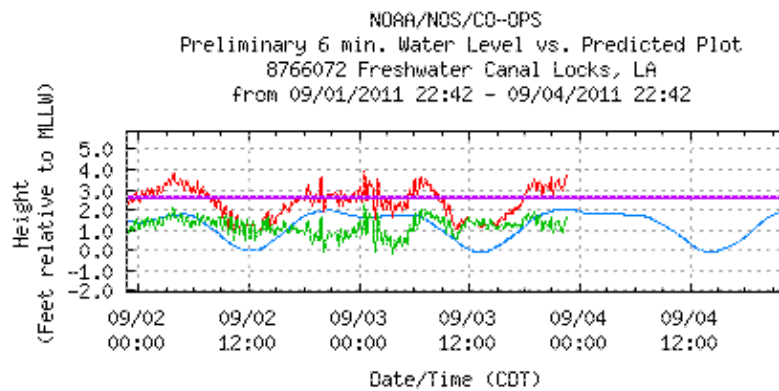
Mobile State Docks, AL - Return to List



Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:30 (CDT)
Relative to MLLW: **Observed: 2.81 ft. Predicted: 1.03 ft. Residual: 1.78 ft.**
Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

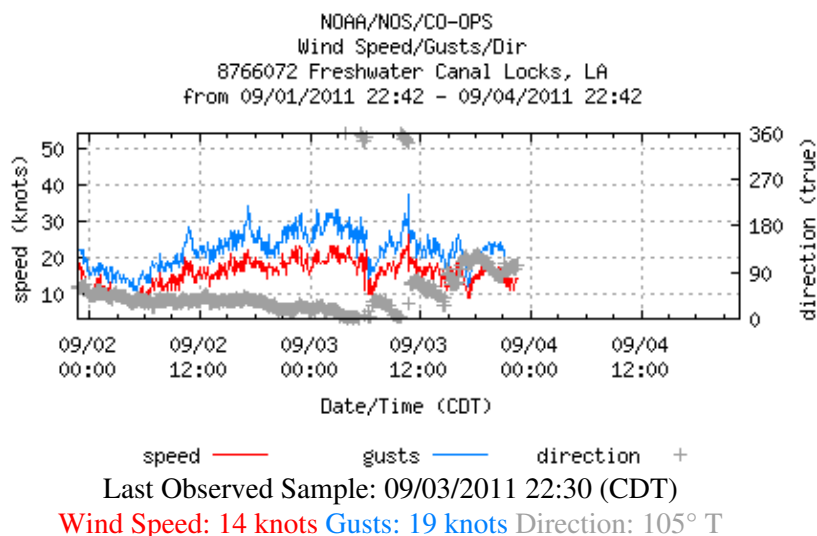
Freshwater Canal Locks, LA - Return to List



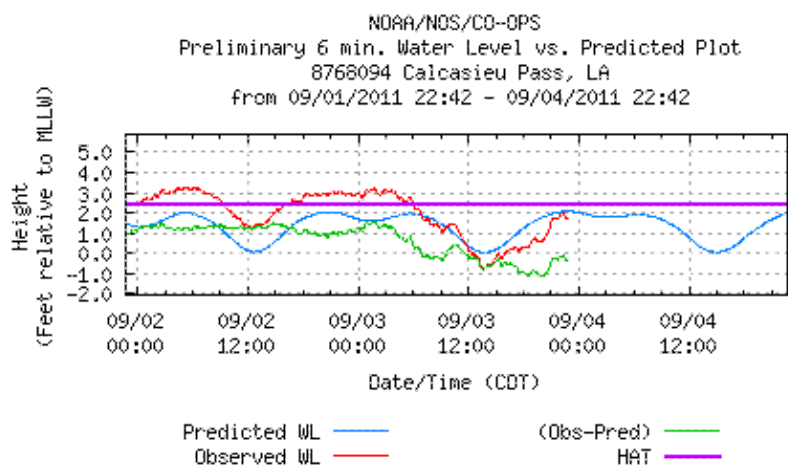
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:30 (CDT)
Relative to MLLW: **Observed: 3.72 ft. Predicted: 2.05 ft. Residual: 1.67 ft.**
Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

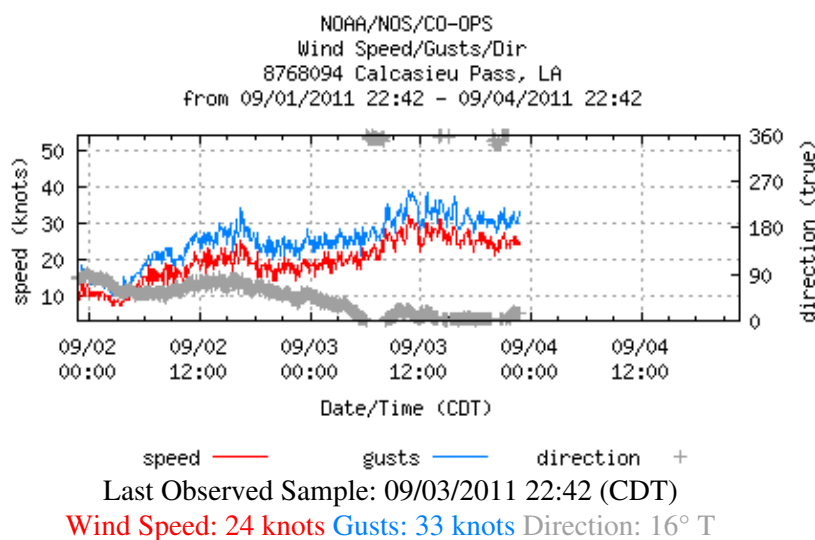


Calcasieu Pass, LA - Return to List

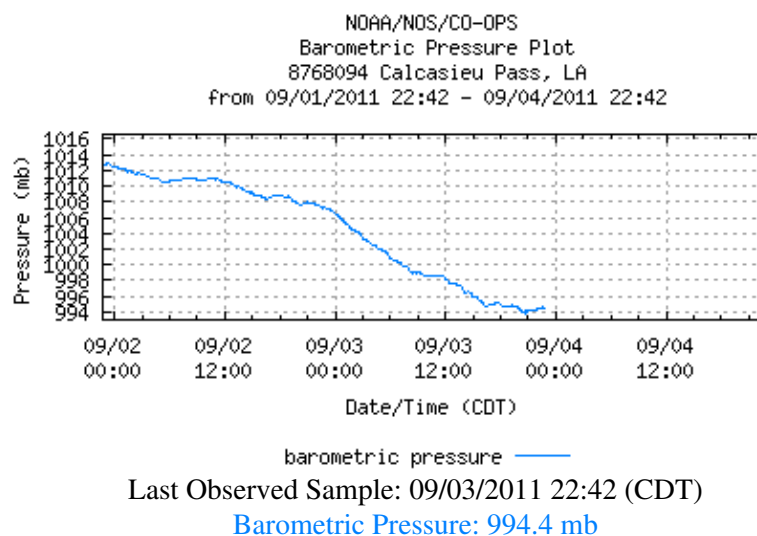


Last Observed Sample: 09/03/2011 22:42 (CDT)
Relative to MLLW: Observed: 1.74 ft. Predicted: 2.08 ft. Residual: -0.34 ft.
Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

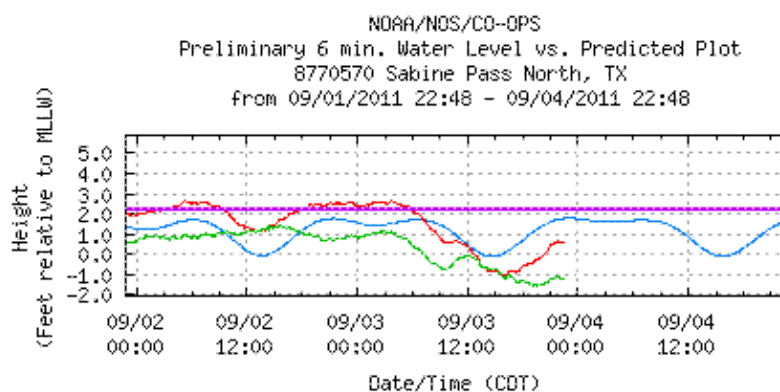
Calcasieu Pass, LA - Return to List



Calcasieu Pass, LA - Return to List



Sabine Pass North, TX - Return to List



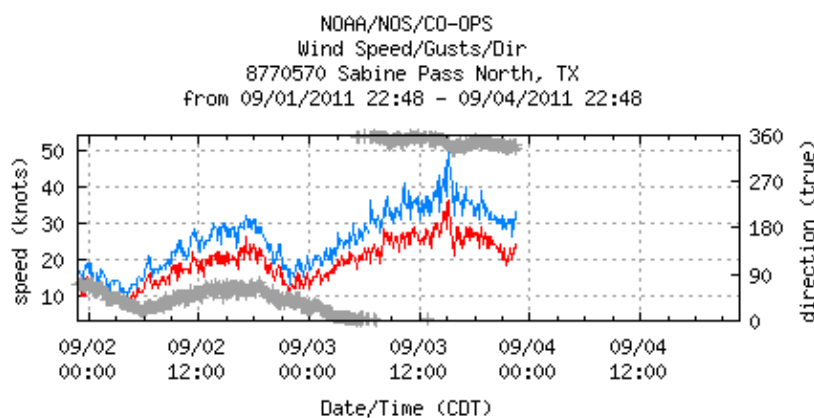
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/03/2011 22:30 (CDT)

Relative to MLLW: **Observed: 0.62 ft.** **Predicted: 1.78 ft.** **Residual: -1.16 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List

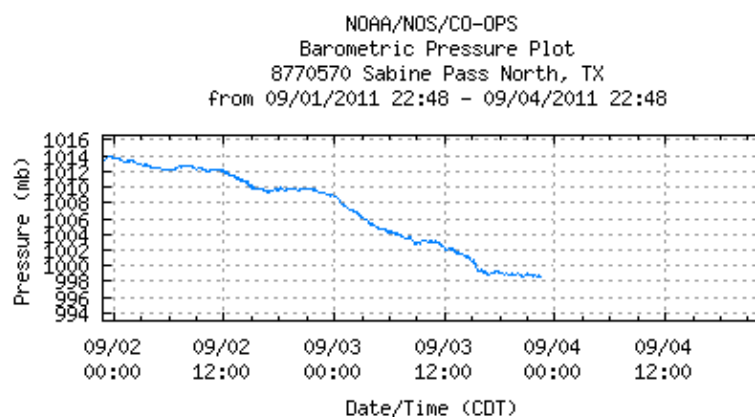


speed — gusts — direction +

Last Observed Sample: 09/03/2011 22:30 (CDT)

Wind Speed: 24 knots **Gusts: 33 knots** **Direction: 340° T**

[Sabine Pass North, TX - Return to List](#)



barometric pressure —

Last Observed Sample: 09/03/2011 22:30 (CDT)

[Barometric Pressure: 998.7 mb](#)

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce